

# The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •

ISSUE 312 NOVEMBER 29, 1985

## 20, 40 Meters are king in 1985 CQ CW Contest

JUST ONE YEAR away from the sunspot minimum, it is almost incomprehensible that a record could be set in the CQ Worldwide CW Contest this year, but that is exactly what has happened. John Dorr, K1AR, operating from the K1GQ station in southern New Hampshire, has apparently set a single operator mark of about 3.4 million points.

Consider that 10 Meters was almost completely worthless ... the multi-transmitter stations in the 'States only worked about a dozen contacts on 10. Consider that workhorse 15 Meters only produced about two hours of openings to Europe from the East Coast each morning of the Contest (and no opening at all to Japan). Consider that this forced almost everybody down to 20 Meters, making the band very crowded.

Yet the record was broken! One big help was a number of expeditions. Of those listed in our last issue, almost all appeared as promised; the ones we couldn't find were P49 (no matter, PJ2FR was on), 4U1ITU, 2K3RW, AH8 by W6OSP, and KC6 W. Carolines.

The K1GQ station, from which the record was set, is "big," but not the biggest. Owner Bill Myers has been described as having a "golden touch" when it comes to human/station engineering. A TS-930S is used, along with a central processor and separate amplifiers for each band. Hit the band button on the TS-930S, and you are instantly there, with amplifier and (choice of) antenna.

Of course, the New Hampshire location helps. Another station, in Indiana and similarly engineered, was simply out of the running, a full 1,000 contacts behind K1AR. The Indiana operator says his biggest hang-up is that there is no local (Midwest) competition. "No one else around here is stupid enough to try to fight the geographical advantage enjoyed on the East Coast," he says.

Incidentally, K1AR had the top U.S. single-op phone score in the CQ WW Contest in October, operating from his home station.

Here is the winning K1AR breakdown, in order of contacts/zones/countries:

|      |           |
|------|-----------|
| 160: | 63/11/31  |
| 80:  | 333/19/68 |
| 40:  | 623/30/89 |
| 20:  | 982/33/97 |
| 15:  | 438/23/72 |
| 10:  | 4/4/4     |

A few other contest notes ... we made a point of listening for the 48-element 20 Meter array of OH80S. The signal from there was the first in and last out on 20 from Europe, amazing considering how far north the station is located. And apparently the aerial works both ways, as operator OH6UM was working W stations on 20 we couldn't hear, even on backscatter or otherwise.

Both BY1PK and BY4AA were on 40, workable for much of North America. HSOA was very workable on 20. One single-band 40 Meter operator in the Boston area reportedly worked 120 countries. 40 was so good that from the Northeast Europeans were worked starting as early as 1800Z, and as late as 1400Z the following morning. 160 was poor Friday night but rebounded on Saturday. ZM80Y called CQ with few takers on 15 CW both days. D44BC with N6TJ operating almost pinned the S Meter on some bands. And on and on.

All in all, not a bad performance for the old bands with a solar flux of 75 on Saturday and 74 on Sunday!

PROPAGATION: Nov 29, 30, Below Normal; Dec 1, Low Normal; Dec 2, High Normal; Dec 3, Low Normal; Dec 4, High/Low Normal; Dec 5, High Normal; Dec 6, 7, Low Normal; Dec 8, 9, High Normal; Dec 10, Below Normal; Dec 11, 12, Low Normal; Dec 13, High Normal; Dec 14-16, Low Normal. TNX N4XX.

| Flux<br>(80) | Flux<br>(81) | Flux<br>(82) | Flux<br>(83) | Flux<br>(84) | Date  | Flux<br>A<br>---1985--- | K    |
|--------------|--------------|--------------|--------------|--------------|-------|-------------------------|------|
| 212          | 196          | 161          | 93           | 74           | 11/15 | 86                      | 12 3 |
| 195          | 185          | 167          | 93           | 75           | 11/16 | 81                      | 10 3 |
| 189          | 177          | 162          | 93           | 72           | 11/17 | 79                      | 8 0  |
| 179          | 167          | 176          | 88           | 73           | 11/18 | 79                      | 12 2 |
| 177          | 161          | 187          | 86           | 73           | 11/19 | 78                      | 18 3 |
| 166          | 156          | 193          | 84           | 74           | 11/20 | 78                      | 5 3  |
| 166          | 155          | 206          | 82           | 77           | 11/21 | 76                      | 5 3  |

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## NOTES

• On the subject of contests, we have learned of the death, on Oct 5, of Tom Peruzzi, W4BVV. His station was one of the stalwarts of the multi-multi class in contests in the 1970s.

• IARU has decided to change the name of its July activity from the Radiosport to the "IARU HF Championship;" new rules allow 24 hours of operating out of 48, with a bonus for working the various headquarters stations of the IARU national societies; probably no other changes.

• Both the Netherlands Antilles and Aruba just held early parliamentary elections last week, as Aruba moves toward independence. Aruba will have separate status within the "Kingdom of the Netherlands" on Jan. 1, with full independence slated for 1996. Separate country status for DXCC should come on Jan. 1.

• The FOC (First Class CW Operator's Club) has, by definition, a maximum of 500 current members, not 1,000 as we said recently. Apparently, whether FOC starts counting contacts on 30 and 12 Meters for their awards is a hot topic in the group, some wanting to do a good deed by helping populate the new bands, others not wanting FOC to appear "awards-happy."



GOT THEM ALL

Three DXers (left to right) W4GTS, K4EZ, and W4BFR, got together for this shot at DXPO Atlanta '85; all three of them are at the top of the DXCC Honor Roll.

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**CONTRIBUTORS**

K3RR, JA1AAT, K1SR, K1BU, K1KT, W4VQ, K1MEM, K1KI,  
K1AR, W1OD, K1XA, W1AX, K1MJ, K1EX, K4BAI, KD7SO,  
W01JR, KA0CDN, AA4FL, N1ACH, W1CYB, W8CT, K1LPS, N4NO,  
KB8KW, K6IR, K0CVD.

**ALL-TIME BAND COUNTRY TOTALS****CURRENT DXCC COUNTRIES ONLY**

|           | 160 | 80  | 40  | 20  | 15  | 10  | TOTAL |
|-----------|-----|-----|-----|-----|-----|-----|-------|
| W9ZR      | 157 | 271 | 289 | 316 | 307 | 288 | 1628  |
| OH1XX     | 136 | 278 | 288 | 313 | 308 | 284 | 1607  |
| N4KG      | 144 | 261 | 286 | 313 | 301 | 291 | 1596  |
| G3KMA     | 118 | 227 | 292 | 316 | 314 | 300 | 1567  |
| K1MM      | 157 | 246 | 276 | 305 | 296 | 281 | 1516  |
| K1MEM     | 154 | 214 | 263 | 307 | 290 | 259 | 1487  |
| OH3YI     |     | 261 | 276 | 316 | 312 | 289 | 1454  |
| G3MCS     | 48  | 202 | 253 | 320 | 322 | 306 | 1452  |
| OH2BU     | 13  | 244 | 276 | 312 | 300 | 280 | 1425  |
| G3GIQ     | 63  | 194 | 246 | 312 | 312 | 294 | 1421  |
| OH3SR     | 43  | 194 | 262 | 315 | 310 | 292 | 1416  |
| W3AP      | 120 | 185 | 238 | 314 | 280 | 244 | 1381  |
| W1JR      | 130 | 195 | 226 | 311 | 262 | 243 | 1367  |
| G4DYO     | 57  | 164 | 216 | 307 | 300 | 282 | 1326  |
| G3XTT     | 111 | 182 | 212 | 275 | 273 | 244 | 1297  |
| W1AX      | 88  | 175 | 238 | 311 | 256 | 228 | 1296  |
| G3UML     | 29  | 204 | 217 | 314 | 283 | 243 | 1290  |
| I4ZSQ/PH  | 34  | 183 | 218 | 314 | 283 | 255 | 1287  |
| KM1H      | 94  | 241 | 243 | 275 | 239 | 171 | 1263  |
| W8UVZ/CW  | 53  | 156 | 268 | 286 | 244 | 215 | 1222  |
| GM3YOR/CW | 61  | 105 | 147 | 198 | 189 | 175 | 875   |

**INCLUDING DELETED COUNTRIES**

|          |     |     |     |     |     |     |      |
|----------|-----|-----|-----|-----|-----|-----|------|
| N4WW     | 171 | 260 | 295 | 335 | 314 | 301 | 1676 |
| W9ZR     | 157 | 277 | 295 | 327 | 320 | 296 | 1672 |
| N4KG     | 144 | 267 | 295 | 328 | 314 | 297 | 1645 |
| K2FL     | 72  | 249 | 293 | 342 | 317 | 311 | 1584 |
| OH3YI    |     | 265 | 280 | 331 | 326 | 296 | 1498 |
| G4DYO    | 57  | 164 | 216 | 311 | 303 | 285 | 1336 |
| W8UVZ/CW | 53  | 158 | 270 | 286 | 244 | 215 | 1241 |
| W1WAI    | 120 | 177 | 233 | 276 | 211 | 169 | 1180 |
| W9DH     |     | 64  | 184 | 332 | 306 | 263 | 1149 |
| W4BAA    | 82  | 137 | 160 | 340 | 196 | 184 | 1100 |
| W9DH/CW  |     | 58  | 180 | 295 | 280 | 216 | 1029 |
| W9DH/F   |     | 18  | 54  | 279 | 286 | 248 | 885  |



## 15 METERS

## 160 METERS

4X4NJ 1824 2140 17 MA  
 4X4NJ 1832 2234 15 RI  
 9J2JN 1835 0334 16 RI  
 9J2JN 1835 0339 15 NH  
 CT3/DF4ZH 1834 2306 16 RI  
 CT3/DF8ZH 1833 0513 14 MA  
 CT3/DLIRK 1831 0600 17 MA  
 CYOSAB 1840 0200 20 RI  
 EA8VY 1852 0625 15 MA  
 EI9J 1832 2150 17 MA  
 GI4GPC 1837 0737 15 VT  
 GM3WTA 1832 0705 13 MA  
 HH7PV 1845 0125 13 VT  
 HK1AMW 1825 0106 18 FL  
 HK1AMW 1824 2345 15 MA  
 HK1AMW 1824 1050 17 MA  
 J37AH 1826 2315 12 VT  
 KH6CC 1896 1140 12 VT  
 LX1BR 1834 0509 14 RI  
 LX1BR 1840 0535 14 MA  
 PT7BZ 1832 0347 16 RI  
 PY1MAG 1834 0805 15 VT  
 PY1MAG 1833 0519 17 RI  
 RA9AKM 1834 0312 16 RI  
 RT4UA 1832 0526 15 VT  
 RT5UY 1834 0455 14 MA  
 RZ3DF 1834 0520 14 MA  
 SV0AA 1834 0445 14 MA  
 SV0AA 1836 0520 15 MA  
 TG9NX 1824 0718 17 VT  
 UB5EAQ 1834 0455 14 MA  
 UB5ZAL 1834 0456 14 MA  
 UD6DHC 1835 0148 20 RI  
 UD6DKW 1829 2140 14 MA  
 UT5AB 1831 0510 15 MA  
 UY500 1831 0444 15 FL  
 VP9AN 1814 1005 14 VT  
 VU2GI 1833 0120 20 RI  
 ZB2FK 1848 0642 14 VT  
 ZD7CW 1826 2330 14 VT  
 ZD7CW 1826 2315 14 MA  
 ZL1BEK 1825 0820 15 VT  
 ZM80Y 1835 0750 9 NH  
 ZP5JCY 1845 0100 13 VT  
 ZS6DN 1827 0312 15 RI

## 80 METERS

4X4VL 3799 0153 8 WY  
 5W1CW 3503 1124 16 FL  
 (ZL1AMO)  
 EA6BD 3503 0700 13 MA  
 J28EI 3501 0150 17 FL  
 JA4DND 3799 1144 16 NH  
 KH6CF 3501 1116 18 FL  
 KX6DS 3506 1130 17 MA  
 SV1DO 3501 0511 16 AL  
 T15EWL 3796 1116 16 NH  
 V3FB 3799 1118 16 NH  
 VK6IR 3798 1343 16 WY  
 VS6/ON50S 3796 2307 19 RI  
 YN1TA 3799 1100 16 NH  
 ZK1XT 3503 1200 22 PA  
 ZS5MY 3503 0300 20 OR  
 ZS6DN 3787 0224 17 WY

## 40 METERS

4K1ZZ 7002 2240 15 FL  
 4X4VL 7005 2326 20 IL  
 8P9AG 7011 2325 16 FL  
 9M2FZ 7012 125 17 OR  
 9N1MM 7005 2315 19 MA

C56/OH2BEN 7001 2310 15 FL  
 CE3DNP 7008 0032 19 FL  
 CE3IAP 7006 0150 15 FL  
 CQ2VG 7012 0345 15 MI  
 CT3/DF4ZL 7004 0510 13 AL  
 CT3/DF8ZH 7004 0025 16 FL  
 CT3/DH8ZH 7004 0250 16 AL  
 CV0D 7004 0225 18 FL  
 (VIA CX1AA)  
 CYOSAB 7003 2335 18 MN  
 EA6FD 7011 2210 17 FL  
 EA8ABR 7004 0508 13 AL  
 EA8AGF 7007 0030 15 FL  
 EA8BIX 7009 0027 16 FL  
 EA8BJU 7024 0051 15 AL  
 EA8QO 7006 2229 16 FL  
 EA9KQ 7009 0228 18 FL  
 FO8BI 7001 0430 18 PA  
 FO8BI 7001 0435 18 OR  
 FP5HL 7008 0009 16 FL  
 FS/FG5DL 7006 0029 19 FL  
 FT8XA 7001 0236 13 MI  
 FT8XA 7003 1300 13 PA  
 FT8XA 7013 1246 15 AL  
 H44IA 7002 1201 13 PA  
 J20A 7004 0030 13 PA  
 LX/DK3VH 7003 2300 17 FL  
 PZ1DT 7007 0026 16 FL  
 TALMX 7003 0148 12 PA  
 TU2JT 7009 0645 17 PA  
 UD6DKW 7005 2206 17 FL  
 UF7FWW 7007 1300 13 FL  
 UF7FWW 7002 0015 17 PA  
 UI80AA 7007 1216 18 AL  
 UI80AA 7009 1226 12 AL  
 UL7EZ 7006 1234 19 MN  
 UL7EZ 7006 1300 15 PA  
 UL7EZ 7006 1155 22 PA  
 UL7EZ 7011 1246 12 AL  
 UL7PBT 7005 1133 16 FL  
 UO5GQ 7012 2249 17 AL  
 VS6DO 7002 1217 17 MN  
 VS6DO 7002 1215 13 AL  
 VU2TEC 7005 1232 17 MN  
 VU2TEC 7007 1236 15 AL  
 VU2TEC 7004 1237 13 PA  
 VU2TEC 7005 1245 14 PA  
 VU2TEC 7005 1230 20 PA  
 VU2TEC 7008 1250 21 PA  
 VU2TEC 7011 1230 19 MN  
 YB0AV 7006 1417 17 OR  
 YB0TK 7004 1130 16 FL  
 YC0EAW 7004 1216 16 FL  
 YS1OD 7015 0139 19 FL  
 Z23JO 7006 0320 21 PA  
 ZK1XT 7026 1215 21 MA  
 ZS3/W6QL 7007 2243 15 FL  
 ZS5DE 7002 0320 18 OR

## 20 METERS

4K1C 14002 1545 16 OR  
 4Z4XB 14243 1535 9 WY  
 5H3BH 14195 1900 21 MA  
 5H3CE 14183 1917 14 NH  
 5H3CE 14183 1830 18 PA  
 5L2AK 14191 2037 16 MN  
 5L2ED 14183 1808 13 NH  
 5L2EQ 14025 2107 13 MI  
 5T5SR 14198 2039 21 MA  
 5V7RW 14198 2127 14 MA  
 5X5GK 14183 1845 14 NH  
 5X5GK 14183 1915 21 MA  
 5X5GK 14190 1950 16 NH

5Z4MR 14183 1831 16 MN  
 5Z4MR 14183 1900 15 RI  
 5Z4MR 14183 1923 14 NH  
 5Z4MR 14227 1940 13 NH  
 6W1AE 14010 2035 13 MI  
 6W1CK 14183 2000 12 NH  
 6W1CK 14227 1939 13 NH  
 6W2EX 14183 1800 22 PA  
 7P8CI 14183 1840 22 PA  
 9H1GY 14227 1658 13 NH  
 9J2LG 14204 2006 16 NH  
 9N1MM 14026 0750 19MA  
 9Q5MA 14183 1945 10 PA  
 9X5WP 14227 1838 14 NH  
 BV0CRA 14191 2330 15 PA  
 BV2DA 14010 0020 19 MT  
 BV2FA 14227 2336 15 NH  
 BY1QH 14227 2348 15 NH  
 BY5RA 14029 0125 19 OR  
 C53AL 14183 1844 15 RI  
 C53AL 14183 1945 10 PA  
 CE0ZIJ 14172 1233 18 AL  
 CN8ES 14028 1330 21 PA  
 DX1N 14028 2222 17 AL  
 EA6GC 14202 1401 18 RI  
 FM5DD 14015 2231 17 AL  
 FM5DD 14020 2244 18 FL  
 FM5WD 14024 2213 16 FL  
 FR4ZD 14195 1821 16 NH  
 FR4ZD 14195 1812 16 PA  
 FT8XB 14183 1930 16 MN  
 FT8XB 14183 1908 15 RI  
 FT8XB 14183 2000 15 NH  
 FT8XB 14183 2040 21 PA  
 FT8XB 14183 1800 22 PA  
 FT8XB 14183 930 20 PA  
 FY5BO 14030 2150 16 FL  
 GJ2LU 14226 1540 16 MN  
 HK0BKX 14034 1248 20 GA  
 HL1CG 14023 0015 17 MN  
 HL1CG 14023 0018 17 MI  
 HL9CW 14014 0021 17 MN  
 HP1XHY 14028 2200 16 FL  
 HV1VO 14177 1723 11 MI  
 HZ1HZ 14028 1320 14 MA  
 IS0QDV 14015 1719 19 OR  
 J28EM 14183 1800 20 PA  
 J5WAD 14183 1945 10 PA  
 JW5E 14227 1546 12 NH  
 JY50CB 14217 1501 19 RI  
 JY50CI 14237 1341 18 RI  
 JY50IM 14249 1400 18 RI  
 JY50IM 14242 1517 9 WY  
 JY50MK 14217 1250 18 AL  
 LX1RD 14153 1314 13 AL  
 S79WHW 14183 1844 15 RI  
 S79WHW 14183 1800 22 PA  
 SV0AA 14022 1400 21 PA  
 SV5MBI 14205 1451 19 RI  
 SV5RW 14243 1528 9 WY  
 T32/K7EHI 14183 1855 18 MN  
 T32/K7EHI 14183 1800 22 PA  
 TFR3SZ 14021 1905 20 OR  
 TN8EE 14183 1928 12 NH  
 TN8EE 14183 1902 13 NH  
 TN8EE 14183 2000 11 PA  
 TR8DR 14175 2200 9 WY  
 TZ6FE 14227 2054 15 NH  
 TZ6FE 14227 2010 20 OR  
 VI3XB 14019 2134 12 MI  
 X5GK 14183 1824 13 NH  
 XT2BR 14191 2054 9 WY  
 ZD7XY 14183 1900 22 PA  
 ZP5LOY 14031 0240 16 AL

3B8CF 21205 1810 16 PA  
 5H3DM 21205 1628 16 AL  
 5H3HM 21207 1811 16 PA  
 5L2EQ 21020 1738 16 MN  
 5R8AL 21335 1620 18 RI  
 5T5CJ 21335 1638 18 RI  
 5T5RG 21285 1710 13 FL  
 6W1PC 21030 1300 16 FL  
 7P8CM 21258 1752 13 AL  
 7P8CM 21258 1730 13 FL  
 9H1EL 21270 1608 19 RI  
 9J2BO 21032 1713 10 PA  
 9J2LG 21217 1917 16 PA  
 9X5TW 21275 1907 13 NH  
 C56/OH2BEN 21025 1721 16 MN  
 C56/OH2BEN 21295 1801 16 MN  
 C56/OH2BEN 21025 1235 16 FL  
 C65/OH2BEN 21025 1704 16 PA  
 CE0FFD 21009 1650 10 PA  
 CN8MK 14270 1619 18 RI  
 CT3/DF8ZH 21026 1547 16 FL  
 CT3ET 21006 1726 16 MN  
 EA6HU 21203 1456 15 NH  
 EA8ANI 21240 1641 13 NH  
 EA9AM 21241 1644 13 NH  
 EA9KD 21024 1315 14 MA  
 EA9NN 21271 1455 15 NH  
 EC8AGM 21027 1554 16 FL  
 EC9IR 21210 1535 16 AL  
 HZ1HZ 21027 1600 10 PA  
 J28EI 21024 1300 14 MA  
 JY50CA 21260 1406 13 NH  
 JY50VQ 21211 1322 14 AL  
 JY50YJ 21267 1350 16 MA  
 LX1WH 21257 1336 13 AL  
 LX9CFL 21020 1242 16 FL  
 T77C 21023 1523 16 MN  
 T77C 21210 1617 16 AL  
 TAL1X 21031 1446 10 PA  
 UH8DC 21023 1400 16 MA  
 Z2/DJ7SB 21209 1417 16 AL  
 Z21AO 21335 1620 18 RI  
 Z21FN 21024 1600 16 FL  
 ZB2EO 21029 1526 16 MN  
 ZB2EO 21029 1635 16 PA  
 ZB2EO 21030 1600 16 FL  
 ZD7AL 21278 2050 11 MI  
 ZD7AL 21279 1928 11 FL  
 ZD7CW 21335 1636 18 RI  
 ZM80Y 21021 2200 23 CT  
 ZS3/W6QL 21004 1552 16 FL  
 ZS3E 21270 1611 16 RI

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# CALENDAR

ISSUE 312

|                  |   |                |   |
|------------------|---|----------------|---|
| AFRICA           | W6KG/W6QL active now as W6QL/ZS3;<br>7P8 next, then A2, 7P, 3D6, S8,<br>ZE, 7Q, 9J, and CR8 as possi-<br>bilities, through next April.<br>QSL to YASME. | QATAR-A7       | A71AD QSL info Issue 311  |
| ANGOLA-D2        | D2BCW reported 20, 15; no info  | SAO TOME-S9    | S92LB on 14.183 2030-2330Z4<br>his QSLs are <u>good</u> for DXCC            |
| CHATHAM-ZL7      | ZL7AA there on 10, 80 Meters  | SAUDI ARABIA   | HZ1AB QRT; I310   |
| CHINA-BY         | BY1QH, BY1SK active 20 SSB  | SO ORKNEYS     | AZ1A on RTTY begins in Dec; I310  |
| CHRISTMAS-VK9X   | VK9XJ try 14.170 at 1200Z   | SVAALBARD-JW   | JW5VAA on again soon; I310  |
| CONGO-TN         | TN8EE still there; on both 20, 40   | SWAZILAND -3D6 | VE3FXT/3D6 there now (11/85)  |
| CYPRUS BASES     | ZC4HMS, ZC4ESB active; ZC4MR on with<br>W7PHO, 14.225 at 1600Z  | TOKELAU-SZK3   | ZK3RW by ZL1AM0 nothing heard   |
| E KIRIBATI-T32   | T32AB on 20 SSB; K7EHI/T32 too  | TONGA-A35      | A35TN by VK3DET Nov 25-Jan 3.   |
| GUINEA-BISSAU-J5 | J5WAD on 80, good signal; W6CNA has<br>logs   | TRISTAN-ZD9    | ZD9BV no reports for some time (11/85)                                      |
| KERGUELEN-FT8X   | FT8XB, XA very active all bands;  | WALLIS-FW      | FW8AF no reports (11/85)  |
| KERMADEC-ZM8     | ZM8OY on now to Dec 31  | WILLIS-VK9Z    | VK9ZB on P29JS 14.220 net at 07Z<br>also active on 40, 80                   |
| LIBERIA          | Signing "5L" again this month   | 160 METER NET  | With 4X4NJ, 1400Z, Saturday, 14.337<br>Info 1900-2000 KHz, I310             |
| LORD HOWE-VK9    | VK9NM by DJ5CQ until Feb, 1986  | CONTESTS       | ARRL 160 Meter, DEC 7,8<br>ARRL 10 Meter, Dec 14,15<br>CQ CW 160, Jan 24-26 |
| MALAGASY-SR      | 5R8AL back; try 20, 40 Meters SSB   |                |   |
| PETER I ISLAND   | Possible December by JF1IST; I300   |                |   |
| PITCAIRN-VR6     | VR6JR still on Nov 16 (11/85)   |                |   |
| PORTUGAL         | New callsigns in Dec; I310  |                |   |

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